

Patent Attorney's Docket No. <u>017753-109</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re | Patent Application of |) | UECEIVED | | | | |
|--------|--|--|-----------------------|--|--|--|--|
| Marce | elo LOPEZ LASTRA et al. |) Group Art Unit: 1632 | NOV 1 9 2001 | | | | |
| Applic | cation No.: 09/214,124 |) Examiner: Q. Nguyen | TECH CENTER 1600/2900 | | | | |
| Filed: | March 17, 1999 |)) | | | | | |
| For: | NOVEL INTERNAL RIBOSOME ENTRY SITE AND VECTOR CONTAINING SAME |))) | | | | | |
| | AMENDMENT AND REPLY | TRANSMITTAL LETTER | | | | | |
| | ant Commissioner for Patents ngton, D.C. 20231 | 1111 | | | | | |
| Sir: | | | • | | | | |
| E | nclosed is an Amendment and Reply for the a | bove-identified patent applicat | tion. | | | | |
| [|] A Petition for Extension of Time is also | A Petition for Extension of Time is also enclosed. | | | | | |
| [|] A Terminal Disclaimer and a check for [requisite Government fee are also enclose | | 3) to cover the | | | | |
| | Also enclosed are copies of Retroviruses (Coffin et al., Cold Spring Harbor Laboratory Press (1997) and Darlix et al., J. Virol., 66:7245-52 (1992). | | | | | | |
| [|] Small entity status is hereby claimed. | Small entity status is hereby claimed. | | | | | |
| [|] Applicant(s) request continued examination [] \$370.00 (279) [] \$740.00 (179) fee due | | nd enclose the | | | | |
| | [] Applicant(s) previously submitted requested. | _, on, for which continued | examination is | | | | |
| [| Applicant(s) request suspension of action exceed three months from the filing of th § 1.103(c). The required fee under 37 C | is RCE, in accordance with 37 | | | | | |
| [| A Request for Entry and Consideration of (146/246) is also enclosed. | A Request for Entry and Consideration of Submission under 37 C.F.R. § 1.129(a) (146/246) is also enclosed. | | | | | |
| | No additional claim fee is required. | | | | | | |
| | | | | | | | |

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[] An additional claim fee is required, and is calculated as shown below:

| AMENDED CLAIMS | | | | | |
|--|------------------|---|-----------------|-------------------|---------------|
| | No. OF CLAIMS | HIGHEST NO. OF CLAIMS PREVIOUSLY PAID FOR | EXTRA CLAIMS | RATE | ADDT'L FEE |
| Total Claims | 44 | MINUS 50 = | 0 | × \$18.00 (103) = | -0- |
| Independent Claims | 3 | MINUS 4 = | 0 | × \$84.00 (102) = | -0- |
| If Amendment adds multiple dependent claims, add \$280.00 (104) | | | | | |
| Total Amendment Fee | | | | | -0- |
| If small entity status is claimed, subtract 50% of Total Amendment Fee | | | | | |
| TOTAL ADDITIONAL FEE DUE FOR THIS AMENDMENT | | | | | -0- |

| |] | A claim f | fee in the | amount of \$ | is enclosed. |
|---|---|-----------|------------|--------------------|--------------|
| [|] | Charge \$ | | to Deposit Account | No. 02-4800. |

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By:_____

Teresa Stanek Rea Registration No. 30,427

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

Date: November 15, 2001

Patent

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| Marcelo LOPEZ LASTRA et al. | Group Art Unit: 1632 TECH CENTER 1600/2900 | | |
| Application Serial No.: 09/214,124 | Examiner: Q. NGUYEN | | |
| Filing Date: March 17, 1999 |))) | | |
| For: NOVEL INTERNAL RIBOSOME ENTRY SITE AND VECTOR CONTAINING SAME |))) | | |

AMENDMENT AND REPLY

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In complete response to the Official Action mailed on August 15, 2001, please amend the above-referenced application as follows:

IN THE CLAIMS:

Please cancel claims 22, 23, 30, 36, 37, 39 and 46 without prejudice or disclaimer of the subject matter recited therein.

Kindly replace claims 8, 12, 14, 16, 19, 25, 28, 29, 31, 34, 35, 38, 40, 44, 45, 48 and 50 with the amended claims below.

8. (Three Times Amended) A vector for the expression of one or more genes of interest comprising a nucleotide sequence isolated from the 5' end of the genomic RNA of a reticuloendotheliosis virus (REV) or from the DNA equivalent of said genomic RNA, wherein said nucleotide sequence comprises all or part of the region of said 5' end which extends from the site of initiation of transcription up to the initiation codon of the gag gene.